



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-301
 SHEET 1 of 1
 DATE STARTED: 2/22/07
 DATE COMPLETED: 2/26/07

PROJECT NAME: BETHEL
 SITE NAME: VT-107
 STATION: 124+80.00
 OFFSET: -20.50
 VTSPG: N 483613.40 ft E 1605502.24 ft

PROJECT NUMBER: BRF 022-1(14)
 SITE NUMBER: BR-15
 GROUND ELEVATION: 532.83 ft
 GROUNDWATER DEPTH: Hole Caved In
 PROJECT PIN NUMBER: 78F161

BORING CREW
 CREW CHIEF: PORTER
 DRILLER: PORTER
 LOGGER: WERNER

BORING RIG: LARGE SKID RIG w/AUTO HAMMER
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
10		A-2-4, GrSiSa, brn, Moist, Rec. = 0.7 ft, Broken rock was within sample. Field Note: Cobbles, Cored ahead. Field Note: Cored ahead.	R	20.3	24.4	48.8	26.8
10		A-1-b, GrSa, brn, Wet, Rec. = 0.9 ft, Broken rock was within sample.	13	17.5	32.2	56.6	11.2
20		A-2-4, Sa, brn, Wet, Rec. = 1.1 ft, Added bentonite due to flowing sand.	6	27.1	1.1	82.8	16.1
20		A-2-4, SiSa, brn, Wet, Rec. = 1.3 ft, Added bentonite due to flowing sand.	5	25.0	3.7	70.5	25.8
30		A-4, GrSiSa, gry, Wet, Rec. = 1.3 ft, Broken rock was within sample.	27	16.9	24.6	39.0	36.4
30		Field Note: Cored ahead and cleaned out casing.					
30		A-2-4, SiGrSa, gry, Wet, Rec. = 0.7 ft, Broken rock was within sample.	12	17.3	23.8	54.7	21.5
40		A-4, SiSa, gry, Moist, Rec. = 1.3 ft	75	14.9	18.7	41.1	40.2
40		Field Note: No Recovery	R				
		Top of Bedrock @ 44.7 ft					
50		Dark gray, Amphibolite-Biotite Gneiss, Competent, Dip varies from 60 to 90, Very hard, Unweathered, NXMDC, 44.7 ft - 49.7 ft, Rec. = 4.8 ft	1	96	96		6 6 6 8
50		Dark gray, Amphibolite-Biotite Gneiss, Competent, Dip varies from 60 to 90, Very hard, Unweathered, NXMDC, 49.7 ft - 54.7 ft, Rec. = 5.0 ft	2	100	96		7 7 6 7 8
		Hole stopped @ 54.7 ft					

LOG OF BORING - BETHEL - BRF 022-1(14).GRJ - VT - AOT.GDT - 5/23/07